18652/990/folder

SAN FRANCISCO BAY TO ANTIOCH

CALIFORNIA

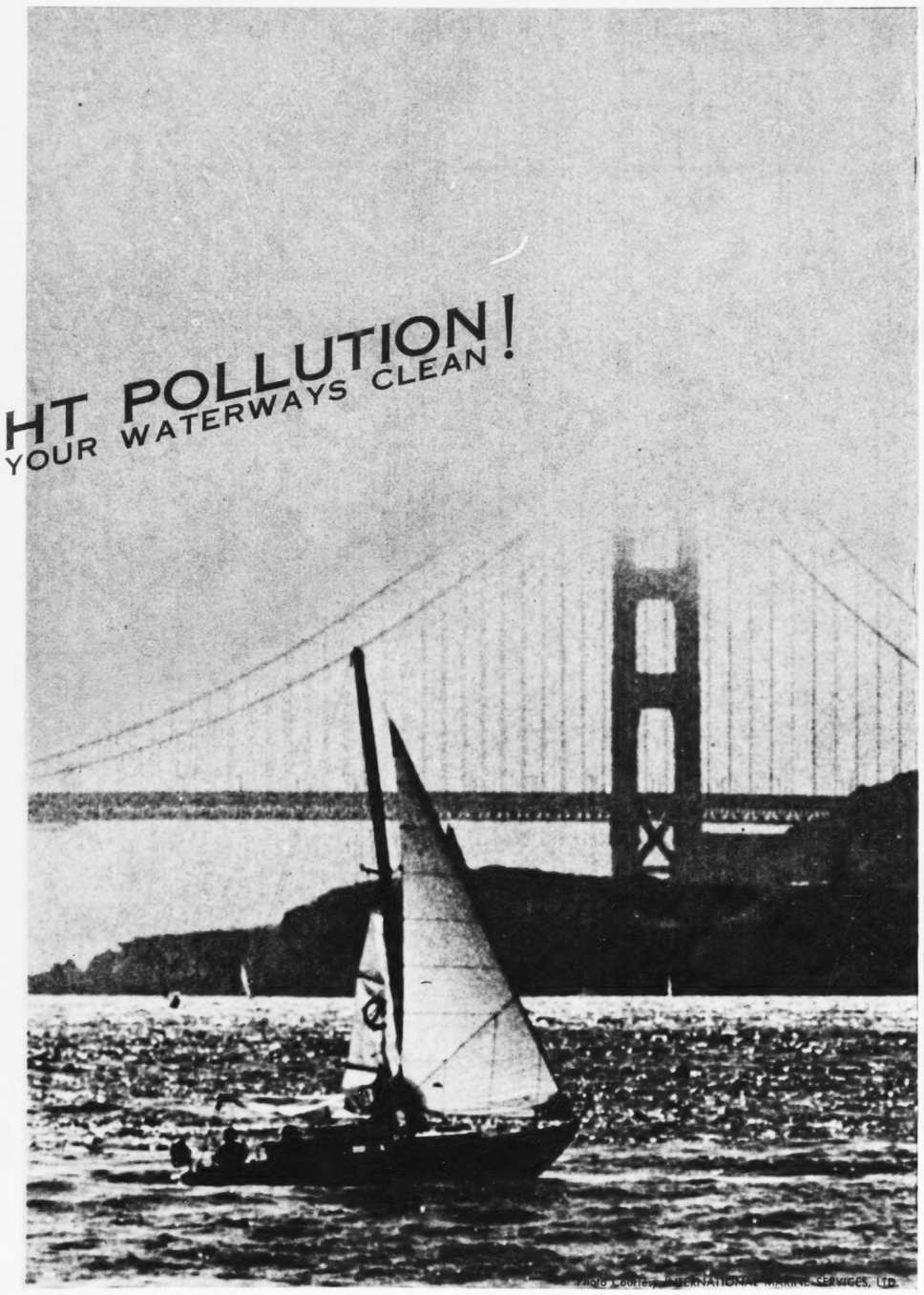
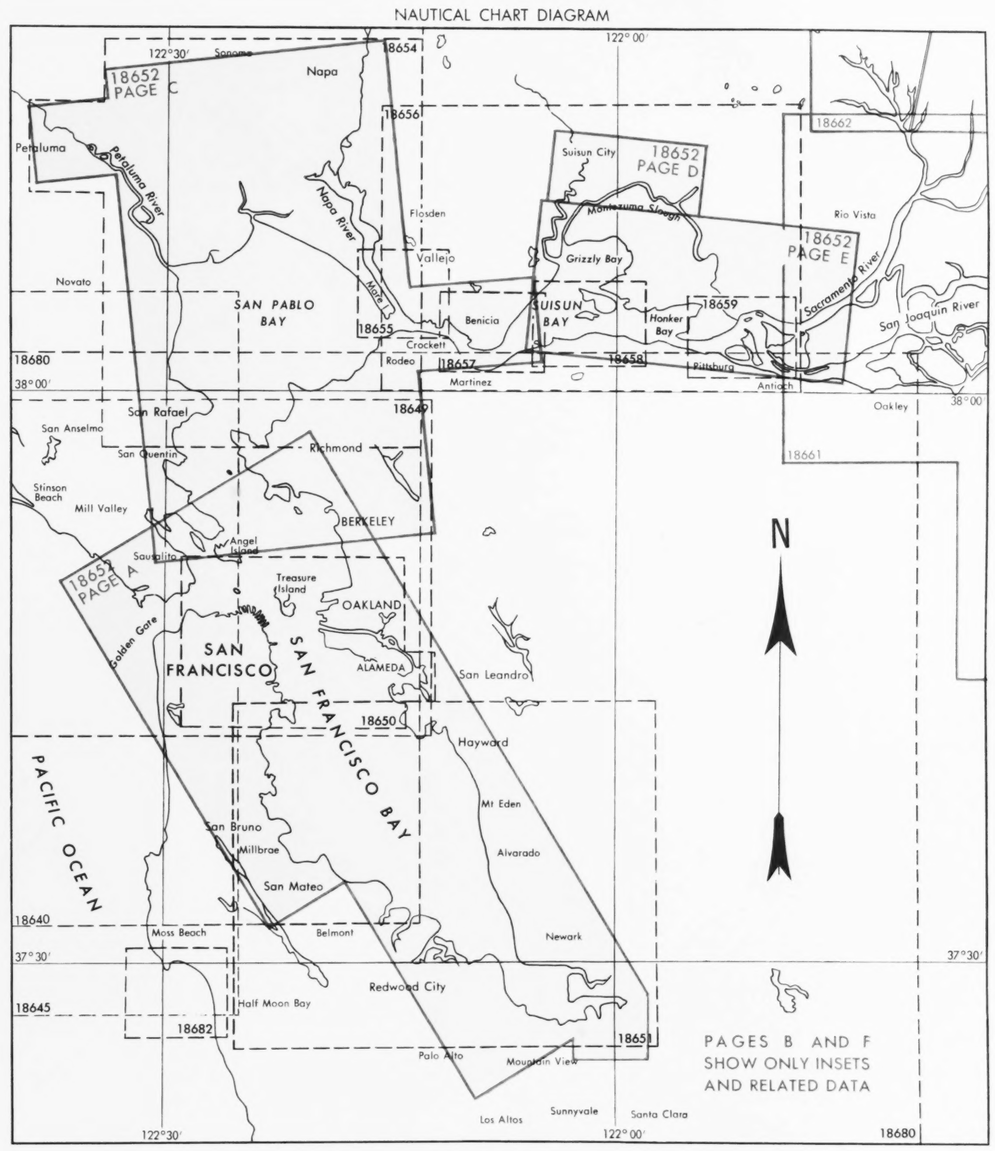


Photo Courtesy INTERNATIONAL MARINE SERVICES, LTD.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852.

NAUTICAL CHART DIAGRAM



PUBLIC BOATING INSTRUCTION PROGRAMS

The United States Power Squadrons (USPS) and U.S. Coast Guard Auxiliary (USCGAUX), national organizations of boatmen, conduct extensive boating instruction programs in communities throughout the United States. For information regarding these educational courses, contact the following sources:

USPS – Local Squadron Commander or USPS Headquarters, Post Office Box 30423, Raleigh, N.C. 27612, 919-821-0281.

USCGAUX – 11th Coast Guard District, Union Bank Building, 400 Oceangate Blvd., Long Beach, CA 90822-5399, Tel. 213-499-5310 or USCG Headquarters (G-BAU), Washington, D.C. 20593-0001.

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SERVICE

18652 EDITION 27 NOVEMBER 1990

C55.418/7:

NO	LOCATION	TIDES: MEAN RANGE-FT	TIDES: DIFF. (HRS) SAN FRANCISCO	DEPTH: APPROACH-FEET(REPORTED)	SERVICES: ALONGSIDE-FEET(REPORTED)	SERVICES: ELECTRICITY (TRANSIENTS)	SERVICES: RAMP-SURFACED:NATURAL	SERVICES: MOORINGS-BERTHS	SERVICES: REPAIRS	SERVICES: MARINE RAILWAY-FEET	SERVICES: HULL-MOTOR-RADIO	SERVICES: LIFT CAPACITY-TONS	SERVICES: BOAT RENTAL	SERVICES: CANOE-ROW-MOTOR	SERVICES: CHARTER-HOUSE-SAIL	SERVICES: FOOD-LODGING-CAMPING	SERVICES: PUMP-OUT STATION	SERVICES: TOILETS-SHOWERS-LAUNDRY	SERVICES: WINTER STORAGE-WET/DRY	SUPPLIES: WATER-ICE	SUPPLIES: NAUTICAL CHART SALES	SUPPLIES: GROCERIES-HARDWARE	SUPPLIES: BAIT-TACKLE	DIESEL OIL-GASOLINE
103	VALLEJO SMALL BT	4.5	+1¼	10	5			S	M				M			F	T		D	C	WI	G	BT	
104A	VALLEJO YT CLB	4.5	+1¼	4	6	B E						5					TS				WI			G
105	VALLEJO MUNICIPAL	4.5	+1¼	10	10	B E			HM			50				FL	TS P				WI			DG
110	BREEZY FISH RSRT	5.1	+2	14	14	BME										F	TS P				WI			
112	MOORE'S F RSRT	5.3	+2					S								F	T						BT	
114	GLEN COVE MARINA			4													TSL				WI	H		DG
117	VANN'S LANDING	4.3	+2	4	1				H	45	15													
119	BENICIA MARINA			8	4	B E	S								M									
122	WHITES F RSRT	4.3	+2¼	12	12											F	TS P	D			WI	G	B	DG
123A	MARTINIZ MARINA			8	8	B E	S	HM			12			C		F	TSL P				W		BT	
125	MCAVOY YACHT HBR	3.6	+3¼	6	2		S			40						F	TS	WD			WI	GH	BT	DG
126	HARRIS YACHT HBR	3.6	+3¼	4	2	BME	S	HM	40		15					F C	TS	WD	C		WI	GH	BT	DG
127	PITTSBURGH MAR	3.3	+3¼	27		BME	N	HM	24							F	TSL P				WI	GH	BT	DG
131	ED'S BOAT HARBOR	5.0	+3¼	5	5	BME		H										WD			W			
131A	THE SCHOONER	5.0	+3¼	10	10			H										D						
133	PAUL'S BOAT HBR	5.0	+3¼	3	2	B	S	HM	30							F	L	W			WI	H	BT	G
134	WHISPERING BAY M	5.0	+3¼			B E	S						M				TS	D	C					
142	SAN JOAQUIN YHT	3.0	+4¼	3	3																W			G
143	LLOYDS HOLIDAY HBR	3.0	+4¼	8	6	B E		HM	60	65							TS	WD	C		WI	H		G
144	NEW BRIDGE MARINA	3.0	+4¼	6	6													W			W			DG
145	DRIFTWOOD MARINA	3.0	+4¼	8	9	B												WD						G
146	LAURITZEN YHT HBR	3.0	+4¼	10	6	B E	S	HM			15			H			TS	WD			WI	H		G
147	BIG BREAK MAR	2.9	+4¼	6	5	BME	S	H		78	125					F	TS	WD			WI	H		G
151	MARTIN'S MARINA	3.3	+4¼	9	9	BME							RM			F C	T	WD			WI		BT	G
153	COLLINSVILLE	3.2	+4	5	7	BME	S									F C	TSL P	D	C		WI		BT	G

(+)DENOTES HOURS LATER (-)DENOTES HOURS EARLIER
THE LOCATIONS OF THE ABOVE PUBLIC MARINE FACILITIES ARE SHOWN ON THE CHART BY LARGE MAGENTA NUMBERS.
THE TABULATED *APPROACH-FEET(REPORTED)* IS THE DEPTH AVAILABLE FROM THE NEAREST NATURAL OR DREDGED CHANNEL TO THE FACILITY.
THE TABULATED *PUMPING STATION* IS DEFINED AS FACILITIES AVAILABLE FOR PUMPING OUT BOAT HOLDING TANKS.

THIS TABULATION WAS PRODUCED USING COMPUTER ASSISTED METHODS.

MARINE WEATHER FORECASTS

NATIONAL WEATHER SERVICE	TELEPHONE NUMBERS	OFFICE HOURS
Oakland, Calif.	562-8573	7:00 AM-3:00 PM (Mon.-Fri.)
San Francisco, Calif.	876-2886	24 hours daily

NOAA WEATHER RADIO BROADCASTS

CITY	STATION	FREQ. (MHz)	BROADCAST TIMES
San Francisco, Calif.	KHB-49	162.55	24 hours daily
Monterey, Calif.	KEC-49	162.40	24 hours daily
Sacramento, Calif.	KEC-57	162.40	24 hours daily

BROADCASTS OF MARINE WEATHER FORECASTS AND WARNINGS BY MARINE RADIOTELEPHONE STATIONS

CITY	STATION	FREQ	BROADCAST TIMES PST	SPECIAL WARNING
San Francisco, Calif.	NMC	*2670 kHz	6:03 AM & PM	On receipt
Monterey, Calif.		*157.1 MHz	7:45 AM & 3:45 PM	On receipt
		*2670 kHz	7:33 AM & PM	On receipt
San Francisco, Calif.		*157.1 MHz	8:30 & 11:00 AM 3:30 PM	On receipt

*Preceded by announcement on 2182 kHz and 156.8 MHz
Distress calls for small craft are made on 2182 kHz or channel 16 (156.80 MHz) VHF.

NO	LOCATION	TIDES: MEAN RANGE-FT	TIDES: DIFF. (HRS) SAN FRANCISCO	DEPTH: APPROACH-FEET(REPORTED)	SERVICES: ALONGSIDE-FEET(REPORTED)	SERVICES: ELECTRICITY (TRANSIENTS)	SERVICES: RAMP-SURFACED:NATURAL	SERVICES: MOORINGS-BERTHS	SERVICES: REPAIRS	SERVICES: MARINE RAILWAY-FEET	SERVICES: HULL-MOTOR-RADIO	SERVICES: LIFT CAPACITY-TONS	SERVICES: BOAT RENTAL	SERVICES: CANOE-ROW-MOTOR	SERVICES: CHARTER-HOUSE-SAIL	SERVICES: FOOD-LODGING-CAMPING	SERVICES: PUMP-OUT STATION	SERVICES: TOILETS-SHOWERS-LAUNDRY	SERVICES: WINTER STORAGE-WET/DRY	SUPPLIES: WATER-ICE	SUPPLIES: NAUTICAL CHART SALES	SUPPLIES: GROCERIES-HARDWARE	SUPPLIES: BAIT-TACKLE	DIESEL OIL-GASOLINE
1	MARINA YHT HBR	4.0	0	30	12	B E															T	W		W
1A	GASHOUSE COVE	4.0	0	10	10												2½				F	P		WI
1B	PIER 39 MARINA			12	10	B E			HM											C S	F	TSL P	W	WI
3	S F BOATWORKS	4.5	+¼	40	9	BM					45	30							S		T	WD	W	WI
5	MISSION ROCK RSRT	4.5	+¼	60	30																F	T	W	WI
9	ANDERSON&CRISTOFANI	4.8	+¼	15	12					HMR	100	300												
11	ALLEMAND BROTHERS	4.8	+¼	15	6					H	65	50												
11A	ROBERT WHITE			9	4	B E														C S		TS P	W	W
11B	OYSTER COVE MAR			11	11																F	TSL P	W	W
12	OYSTER PT MAR	5.1	+¼	10	10	B E	S														F	TS P	D	W
13	COYOTE PT MAR	5.5	+¼	8	8	B E	S														F	TS P		
15	PORT OF REDWOOD	6.2	+1¼	6	6	BME	S	M													F	TSL P	C	WI
16	PETE'S HARBOR	6.2	+1¼	10	10	B E		HM			18										F	TSL	D	C
17A	PENINSULA MARINA	6.2	+1¼	5	7	B E		H			3					C S	F	TSL P	D		W	G		
18	DOCKTOWN MARINA	6.2	+1¼			B E	S	M													TS	D		W
18A	SOUTH BAY BOAT	6.2	+1¼	5	0			H			12										T			
21	PALO ALTO YT HBR			3	0	B E	S																	W
23	HARBOR MASTER	5.4	+¼	6	6	B E	S	HMR			50										FL	TS P		WI
24	BALLENA BAY YHT	4.7	+¼	59	8	B E	S	M	26	5						C S	F	TSL P	WD	C	WI	GH	B	DG
24D	BOATEL+MOTOR LDG	4.5	+¼	32	5												FL				I		T	D
25	JACK LONDON MAR	4.5	+¼	26	6	B E		M								C	FL	TS			WI	G	BT	DG
25C	CITY OF OAKLAND	4.5	+¼				S			1	CR	C S					T	D						
26	5TH AVENUE MAR	4.5	+¼	6	21		S		50	500							T	D			W			
27	BARNHILL MAR&BTYD	4.5	+¼	25	15	B		HM	50	30											W			
27A	MARINE SQUARE	4.5	+¼	25	25	B E		HMR		30	M	C S	F	TS	D	C	W	H						
27B	MARINA VILLAGE YT			25	8	B E						C	FL	SL P	W		WI	G						
28	OAKLAND YT CLB	4.5	+¼	6	6	B E	SN							L	TSL		WI							
29	SEABREEZE YT CTR	4.5	+¼	40	15	B E		H	50	40				F	TS	D	WI	G						
37	BASIN BOAT WORKS	4.6	+¼	30	12			HMR		20							WI							
40	WM J CRYER & SONS	4.6	+¼	20	8			HMR	3	20							W							
41	FORTMAN MARINA	4.6	+¼	10	10	B E		HM	50	20				F	TS	W	I							
41A	CITY OF ALAMEDA	4.6	+¼	10	5		S								T									
42	PACIFIC SHOPS INC	4.6	+¼					HM		30				F	TS	WD	WI	H		DG				
49	CITY OF EMERYVILLE			8	4		S						C	FL	T	P	WI	G	BT	DG				
50	BERKELEY YHT HBR	4.2	+¼	8	5	B E	S	HM		25			C S	FL	TS	P	WI	H	BT	DG				
50A	BERKELEY MAR CEN							HM		17				F	P	WD	WI	H		DG				
50B	BERKELEY MARINA			7	7	BME	S			1					TS	P	W							
51	RICHMOND MARINA			12	18	B E	S						C	F	TSL P	W	WI	G	B					
52	CHANNEL MARINA	4.1	+¼	25	25	B E		M									W			G				
53	TOM DECKER'S	4.1	+¼	33	8	B E									TS		W							
53A	CAL-COAST MARINE	4.1	+¼	35	22			HMR	70	60					TS	D	W	H		DG				
54	RICHMOND BT WKS	4.1	+¼	25	25			HMR	50	60							W	H						
55	BRICKYARD COVE	4.1	+¼	8	8	B E				3				F	TS	WD	WI							
60	SAUSALITO YACHT	3.8	+¼	10	5										TS	P			H					
65A	CASS' RENTAL MAR	3.8	+¼	3	3								C S											
66	EASOM BOAT WORKS	3.8	+¼	4				H		15									H					
69	MARINSHIP YHT HBR	3.8	+¼	4	0			H	65		M	CHS			W									
70	CLIPPER YHT HBR	3.8	+¼	12	8		S	HMR		100			F C	T		D	C	WI	GH	BT	DG			
73	SAM'S ANCHOR CAFE	3.9	+¼	18	4	M							F	T										
74	ANGEL IS ST PRK			20	11	BM							F C	T			WI							
75	SOUTH BEACH HAR			35	18	B E					R	C	F	TSL P	W		WI	G						
75A	PARADISE CAY YHT	4.0	+¼	7	5	B E								TS			W							
76	PT SAN PABLO YHT	4.1	+¼	6	4	B E			45				F	T	P		W			DG				
79	RODEO MARINA	4.5	+1¼	5	5	B E	S	HM			R	C	F	T		WD	WI	H	BT	DG				
80	CROCKETT MARINE	4.5	+1¼	10	10	BME		HM	60	44		C	F	TS		C	WI	G	BT	DG				
81	LOWRIE YACHT HBR	3.5	+1¼	6	6	B E							C	TS			W							
83	SAN RAFAEL YCHT	3.5	+1¼	5	4					8					W									
84	TRADEWINDS YCHT	3.5	+1¼	6	4									TSL P	W		W							
85	PIER 15	3.5	+1¼			BME							F											
86	HARBOR BT REPR	3.5	+1¼	6	6			H		20														
87	WESTERN BOAT SHOP	3.5	+1¼	7	7											C	WI	GH	BT	DG				
88	MARINA BOAT HOUSE	3.5	+1¼					HM						T						G				
89	W C GARVIE	3.5	+1¼	6	6			HMR		6														
89A	MARINE ENGINE	3.5	+1¼	4	4			M										H						
89B	DOMINIC'S HBR REST	3.		3	3	B E							F											
92	MARINE ENGINEERING	3.5	+1¼	5	8			M		2														
94	LOCH LOMOND MAR	4.0	+1¼	8	5	B E	S	M					F	TSL	D	C	WI	GH	BT	DG				
96	CHINA CAMP	4.1	+	2	2		N						F	T			W		BT					
96A	PORT SONOMA MAR			7	7	B E	S	HMR		3				TSL P	WD		WI	H	BT	DG				
98	BUCKS LAUNCHING	4.1	+1¼	4	4	B E	S						F	T	WD		W		BT	G				
99	MIRA MONTE MAR	4.7	+2	5	5	B	S	M					F	T	WD		WI			G				
100	LAKEVILLE MARINA	4.9	+2	6	6	BM	S				R		F C		D		I			G				

(+)DENOTES HOURS LATER (-)DENOTES HOURS EARLIER
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SCALE 1:40,000
NAUTICAL MILES
2 1 0 1

SCALE 1:80,000
NAUTICAL MILES
5 4 3 1 0 1

LOGARITHMIC SPEED SCALE

To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots

1 2 3 4 5 6 7 8 9 10 15 20 25 30 40 50 60